

TABLE 12

FREQUENCY AND RATE OF DEATH FROM SELECTED COMMUNICABLE DISEASES BY YEAR*

MONTANA, 1910-1999

| ICD-9 | 051 | | 032 | | 487 | | 055 | | 036 | |
|--------|-----------|--------|------------|--------|-----------|--------|---------|--------|-------------------------|--------|
| ICD-10 | A05 | | A36 | | J10-J11 | | B05 | | A39 | |
| YEAR | BOTULISM+ | | DIPHTHERIA | | INFLUENZA | | MEASLES | | MENINGOCOCCAL INFECTION | |
| | NUMBER | RATE** | NUMBER | RATE** | NUMBER | RATE** | NUMBER | RATE** | NUMBER | RATE** |
| 1910 | - | 0.0 | 61 | 16.2 | 24 | 6.4 | 16 | 4.3 | 1 | 0.3 |
| 1915 | 5 | 1.1 | 21 | 4.5 | 41 | 8.8 | 7 | 1.5 | 7 | 1.5 |
| 1920 | 4 | 0.7 | 32 | 5.8 | 304 | 55.4 | 27 | 4.9 | 15 | 2.7 |
| 1925 | 6 | 1.1 | 34 | 6.3 | 109 | 20.1 | 5 | 0.9 | 5 | 0.9 |
| 1930 | 7 | 1.3 | 4 | 0.7 | 102 | 19.0 | 12 | 2.2 | 22 | 4.1 |
| 1935 | 3 | 0.5 | 14 | 2.5 | 173 | 31.5 | 49 | 8.9 | 15 | 2.7 |
| 1940 | 2 | 0.4 | 6 | 1.1 | 77 | 13.8 | 5 | 0.9 | 6 | 1.1 |
| 1945 | 1 | 0.2 | 4 | 0.8 | 47 | 9.3 | 1 | 0.2 | 3 | 0.6 |
| 1946 | 1 | 0.2 | 5 | 1.0 | 25 | 4.8 | 3 | 0.6 | 3 | 0.6 |
| 1947 | 1 | 0.2 | 2 | 0.4 | 33 | 6.1 | 13 | 2.4 | 3 | 0.6 |
| 1948 | 3 | 0.5 | 3 | 0.5 | 13 | 2.3 | 12 | 2.2 | 1 | 0.2 |
| 1949 | 2 | 0.3 | 3 | 0.5 | 13 | 2.3 | 3 | 0.5 | 3 | 0.5 |
| 1950 | - | - | 2 | 0.3 | 23 | 3.9 | - | - | 1 | 0.2 |
| 1951 | 2 | 0.3 | - | 0.0 | 30 | 5.0 | 9 | 1.5 | 5 | 0.8 |
| 1952 | - | - | 1 | 0.2 | 22 | 3.7 | 4 | 0.7 | 4 | 0.7 |
| 1953 | - | - | 3 | 0.5 | 59 | 9.6 | 4 | 0.6 | 2 | 0.3 |
| 1954 | - | - | 3 | 0.5 | 6 | 1.0 | 5 | 0.8 | 6 | 1.0 |
| 1955 | - | - | 1 | 0.2 | 12 | 1.9 | 4 | 0.6 | 5 | 0.8 |
| 1956 | - | - | 1 | 0.2 | 4 | 0.6 | 1 | 0.2 | 7 | 1.1 |
| 1957 | - | - | 1 | 0.1 | 25 | 3.7 | 3 | 0.4 | 3 | 0.4 |
| 1958 | - | - | - | - | 14 | 2.1 | 2 | 0.3 | 4 | 0.6 |
| 1959 | - | - | - | - | 15 | 2.2 | 5 | 0.7 | 3 | 0.4 |
| 1960 | - | - | - | - | 37 | 5.5 | 1 | 0.1 | 3 | 0.4 |
| 1961 | - | - | - | - | 8 | 1.2 | 1 | 0.1 | 1 | 0.1 |
| 1962 | - | - | - | - | 12 | 1.7 | - | - | 4 | 0.6 |
| 1963 | - | - | - | - | 31 | 4.4 | - | - | 3 | 0.4 |
| 1964 | 1 | 0.1 | - | - | 29 | 4.1 | 2 | 0.3 | 2 | 0.3 |
| 1965 | - | - | - | - | 5 | 0.7 | - | - | 3 | 0.4 |
| 1966 | 1 | 0.1 | - | - | 49 | 7.0 | - | - | 2 | 0.3 |
| 1967 | - | - | - | - | 3 | 0.4 | - | - | 2 | 0.3 |
| 1968 | - | - | - | - | 30 | 4.3 | - | - | 2 | 0.3 |
| 1969 | - | - | - | - | 38 | 5.5 | 2 | 0.3 | 2 | 0.3 |
| 1970 | - | - | 2 | 0.3 | 8 | 1.2 | - | 0.0 | 1 | 0.1 |
| 1971 | - | - | - | - | 9 | 1.3 | 2 | 0.3 | 2 | 0.3 |
| 1972 | - | - | - | - | 15 | 2.1 | - | - | 2 | 0.3 |
| 1973 | - | - | - | - | 43 | 6.0 | - | - | 2 | 0.3 |
| 1974 | - | - | - | - | 11 | 1.5 | - | - | 1 | 0.1 |
| 1975 | - | - | - | - | 17 | 2.3 | - | - | - | - |
| 1976 | - | - | - | - | 95 | 12.6 | - | - | - | - |
| 1977 | - | - | - | - | 9 | 1.2 | - | - | 2 | 0.3 |
| 1978 | - | - | - | - | 19 | 2.4 | - | - | 2 | 0.3 |
| 1979 | - | - | - | - | 4 | 0.5 | - | - | 4 | 0.5 |
| 1980 | - | - | - | - | 24 | 3.1 | - | - | - | - |
| 1981 | 1 | 0.1 | - | - | 10 | 1.3 | - | - | 1 | 0.1 |
| 1982 | - | - | - | - | 8 | 1.0 | - | - | 1 | 0.1 |
| 1983 | - | - | - | - | 26 | 3.2 | - | - | 1 | 0.1 |
| 1984 | - | - | - | - | 19 | 2.3 | - | - | - | - |
| 1985 | - | - | - | - | 24 | 2.9 | - | - | 3 | 0.4 |
| 1986 | - | - | - | - | 24 | 2.9 | - | - | - | - |
| 1987 | - | - | - | - | 9 | 1.1 | - | - | - | - |
| 1988 | - | - | - | - | 21 | 2.6 | - | - | - | - |
| 1989 | - | - | - | - | 19 | 2.4 | - | - | - | - |
| 1990 | - | - | - | - | 15 | 1.9 | - | - | 2 | 0.3 |
| 1991 | - | - | - | - | 7 | 0.9 | - | - | - | - |
| 1992 | - | - | - | - | 7 | 0.8 | - | - | - | - |
| 1993 | - | - | - | - | 13 | 1.5 | - | - | - | - |
| 1994 | - | - | - | - | 15 | 1.8 | - | - | 1 | 0.1 |
| 1995 | - | - | - | - | 6 | 0.7 | - | - | 1 | 0.1 |
| 1996 | - | - | - | - | 11 | 1.3 | - | - | 2 | 0.2 |
| 1997 | - | - | - | - | 1 | 0.1 | - | - | - | - |
| 1998 | - | - | - | - | 60 | 6.8 | - | - | - | - |
| 1999 | - | - | - | - | 35 | 4.0 | - | - | 1 | 0.2 |

* DATA FOR 1910-45 ARE BY PLACE OF OCCURRENCE. BEGINNING IN 1946, DATA ARE BY PLACE OF RESIDENCE.

+ PRIOR TO 1949 THE INTERNATIONAL CLASSIFICATION OF DISEASES DID NOT PERMIT IDENTIFICATION OF BOTULISM AS SUCH. THE MORE GENERAL RUBRIC OF "FOOD POISONING" IS REPORTED. THE DEATHS SHOWN PRIOR TO 1968 INCLUDE THOSE ASSIGNED TO "FOOD POISONING UNSPECIFIED."

** PER 100,000 ESTIMATED MIDYEAR POPULATION. U.S. CENSUS ENUMERATIONS USED FOR YEARS ENDING IN ZERO.

TABLE 12 (CONCLUDED)

FREQUENCY AND RATE OF DEATH FROM SELECTED COMMUNICABLE DISEASES BY YEAR*

MONTANA, 1910-1999

| ICD-9 | 045 138 | | 082.0 | | 137 010-018 | | 002.0 | | 033 | |
|--------|---------------|--------|----------------------------------|--------|----------------|--------|---------------|--------|----------------|--------|
| ICD-10 | A80 | | A77 | | A16-A19 | | A010 | | A37 | |
| YEAR | POLIOMYELITIS | | ROCKY MOUNTAIN SPOTTED FEVER+ | | TUBERCULOSIS | | TYPHOID FEVER | | WHOOPING COUGH | |
| | NUMBER | RATE** | NUMBER | RATE** | NUMBER | RATE** | NUMBER | RATE** | NUMBER | RATE** |
| 1910 | 17 | 4.5 | - | - | 340 | 90.4 | 151 | 40.2 | 41 | 10.9 |
| 1915 | 1 | 0.2 | 8 | 1.7 | 530 | 113.2 | 57 | 12.2 | 36 | 7.7 |
| 1920 | 5 | 0.9 | 7 | 1.3 | 419 | 76.4 | 27 | 4.9 | 51 | 9.3 |
| 1925 | 6 | 1.1 | 11 | 2.0 | 396 | 73.0 | 24 | 4.4 | 63 | 11.6 |
| 1930 | 6 | 1.1 | 9 | 1.7 | 337 | 62.7 | 16 | 3.0 | 16 | 3.0 |
| 1935 | 1 | 0.2 | 21 | 3.8 | 257 | 46.8 | 12 | 2.2 | 22 | 4.0 |
| 1940 | 7 | 1.3 | 7 | 1.3 | 231 | 41.3 | 3 | 0.5 | 5 | 0.9 |
| 1945 | 10 | 2.0 | 1 | 0.2 | 171 | 33.9 | 2 | 0.4 | 2 | 0.4 |
| 1946 | 5 | 1.0 | 5 | 1.0 | 164 | 31.4 | 2 | 0.4 | 2 | 0.4 |
| 1947 | 4 | 0.7 | 1 | 0.2 | 152 | 28.2 | 1 | 0.2 | 6 | 1.1 |
| 1948 | 6 | 1.1 | 1 | 0.2 | 146 | 26.2 | - | - | 6 | 1.1 |
| 1949 | 13 | 2.3 | - | 0.0 | 109 | 19.0 | 1 | 0.2 | 2 | 0.3 |
| 1950 | 3 | 0.5 | 1 | 0.2 | 114 | 19.3 | - | - | 10 | 1.7 |
| 1951 | 6 | 1.0 | - | - | 85 | 14.3 | 1 | 0.2 | 1 | 0.2 |
| 1952 | 8 | 1.3 | 1 | 0.2 | 79 | 13.1 | 1 | 0.2 | 1 | 0.2 |
| 1953 | 14 | 2.3 | - | - | 77 | 12.5 | - | - | 4 | 0.6 |
| 1954 | 9 | 1.4 | - | - | 62 | 9.9 | - | - | 1 | 0.2 |
| 1955 | 8 | 1.3 | - | - | 50 | 7.9 | - | - | 1 | 0.2 |
| 1956 | - | - | - | - | 48 | 7.3 | - | - | 1 | 0.2 |
| 1957 | 2 | 0.3 | - | - | 68 | 10.2 | - | - | 2 | 0.3 |
| 1958 | 5 | 0.8 | - | - | 45 | 6.8 | - | - | - | - |
| 1959 | 2 | 0.3 | - | - | 37 | 5.5 | - | - | - | - |
| 1960 | 7 | 1.0 | 1 | 0.1 | 31 | 4.6 | - | - | 1 | 0.1 |
| 1961 | 1 | 0.1 | - | - | 24 | 3.5 | 1 | - | - | - |
| 1962 | - | - | - | - | 32 | 4.5 | - | - | - | - |
| 1963 | - | - | - | - | 27 | 3.8 | - | - | - | - |
| 1964 | - | - | - | - | 28 | 4.0 | 1 | - | - | - |
| 1965 | - | - | - | - | 22 | 3.1 | - | - | - | - |
| 1966 | - | - | - | - | 21 | 3.0 | - | - | - | - |
| 1967 | - | - | - | - | 17 | 2.4 | - | - | - | - |
| 1968 | 1 | 0.1 | - | - | 15 | 2.2 | - | - | - | - |
| 1969 | - | - | - | - | 16 | 2.3 | - | - | - | - |
| 1970 | - | - | - | - | 12 | 1.7 | - | - | - | - |
| 1971 | 1 | 0.1 | - | - | 10 | 1.4 | - | - | 1 | 0.1 |
| 1972 | - | - | - | - | 11 | 1.5 | - | - | - | - |
| 1973 | - | - | - | - | 13 | 1.8 | - | - | - | - |
| 1974 | 1 | 0.1 | - | - | 17 | 2.3 | - | - | - | - |
| 1975 | 1 | 0.1 | 1 | 0.1 | 13 | 1.7 | - | - | - | - |
| 1976 | - | - | - | - | 9 | 1.2 | - | - | - | - |
| 1977 | - | - | - | - | 4 | 0.5 | - | - | - | - |
| 1978 | 1 | 0.1 | - | - | 11 | 1.4 | - | - | - | - |
| 1979 | - | - | - | - | 5 | 0.6 | - | - | - | - |
| 1980 | - | - | - | - | 6 | 0.8 | - | - | - | - |
| 1981 | - | - | - | - | 7 | 0.9 | - | - | - | - |
| 1982 | - | - | - | - | 7 | 0.9 | - | - | - | - |
| 1983 | 1 | 0.1 | - | - | 1 | 0.1 | - | - | - | - |
| 1984 | 2 | 0.2 | - | - | 10 | 1.2 | - | - | - | - |
| 1985 | - | - | - | - | 5 | 0.6 | - | - | 1 | 0.1 |
| 1986 | - | - | - | - | 5 | 0.6 | - | - | - | - |
| 1987 | - | - | - | - | 4 | 0.5 | - | - | - | - |
| 1988 | 1 | 0.1 | - | - | 2 | 0.2 | - | - | - | - |
| 1989 | 2 | 0.2 | - | - | 5 | 0.6 | - | - | - | - |
| 1990 | - | - | - | - | 2 | 0.3 | - | - | - | - |
| 1991 | 1 | 0.1 | - | - | 4 | 0.5 | - | - | - | - |
| 1992 | 1 | 0.1 | - | - | 4 | 0.5 | - | - | - | - |
| 1993 | - | - | - | - | 2 | 0.2 | - | - | - | - |
| 1994 | - | - | - | - | 6 | 0.7 | - | - | - | - |
| 1995 | 2 | 0.2 | - | - | 2 | 0.2 | - | - | - | - |
| 1996 | 2 | 0.2 | - | - | 1 | 0.1 | - | - | 1 | 0.1 |
| 1997 | 1 | 0.1 | - | - | 2 | 0.2 | - | - | - | - |
| 1998 | 1 | 0.1 | - | - | 4 | 0.5 | - | - | - | - |
| 1999 | 1 | 0.1 | - | - | 3 | 0.3 | - | - | - | - |

* DATA FOR 1910-45 ARE BY PLACE OF OCCURRENCE. BEGINNING IN 1946, DATA ARE BY PLACE OF RESIDENCE.

+ DEATHS FROM ROCKY MOUNTAIN SPOTTED FEVER FOR THE YEARS 1915 - 1920 ARE COURTESY OF ROBERT PHILLIPS PH.D. (RETIRED), ROCKY MOUNTAIN LABORATORY, HAMILTON, MONTANA.

** PER 100,000 ESTIMATED MIDYEAR POPULATION. U.S. CENSUS ENUMERATIONS USED FOR YEARS ENDING IN ZERO.